(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 27 January 2005 (27.01.2005)

PCT

(10) International Publication Number WO 2005/007845 A3

- (51) International Patent Classification?: C12N 5/10, C12P 7/64, A01H 5/00, 5/10, C12N 9/10, 15/82, A23L 1/29
- (21) International Application Number:

PCT/GB2004/003057

- (22) International Filing Date: 13 July 2004 (13.07.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0316629.5

16 July 2003 (16.07.2003) GB

- (71) Applicant (for all designated States except US): THE UNIVERSITY OF YORK [GB/GB]; Heslington, York YO1 5DD (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GRAHAM, Ian [GB/GB]; The University of York, Heslington, York YO1 5DD (GB). TONON, Thierry [FR/GB]; The University of York, Heslington, York YO1 5DD (GB).
- (74) Agent: HARRISON GODDARD FOOTE; 31 St. Saviourgate, York YO1 8NQ (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CII, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GII, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:
 2 June 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TRANSGENIC CELLS

(57) Abstract: We describe transgenic cells comprising nucleic acid molecules that comprise nucleic acid sequences which encode enzymes involved in the biosynthesis of n-3 fatty acids.